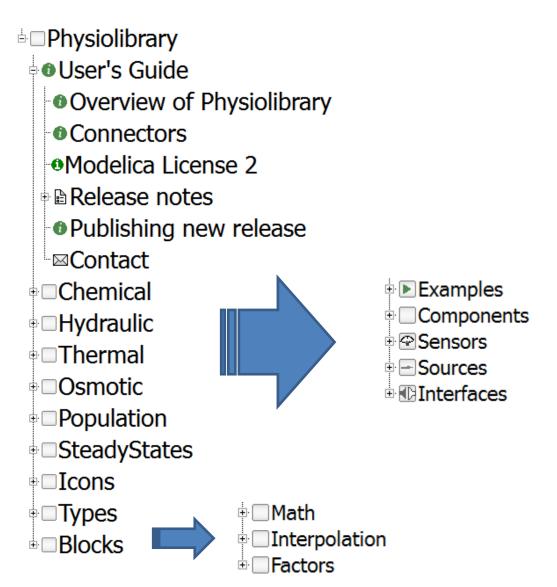
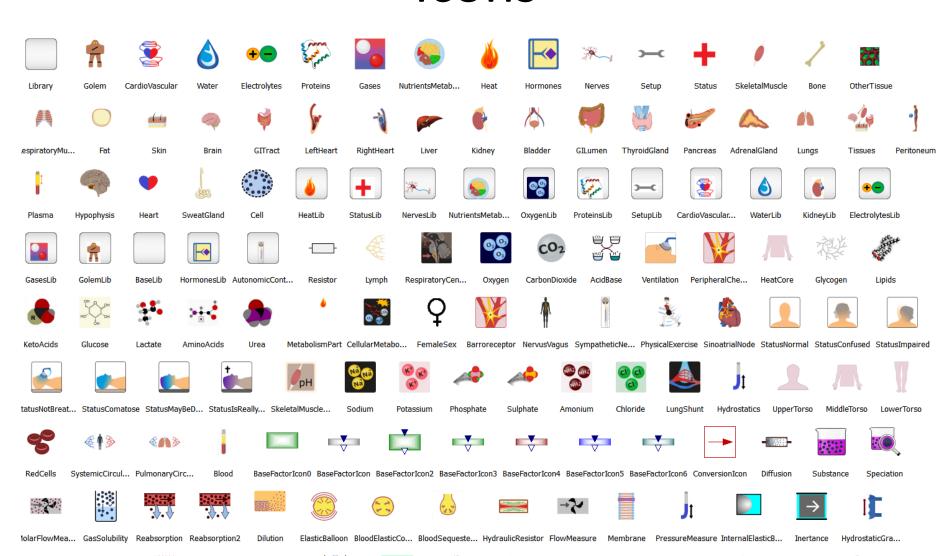
Physiolibrary 2.3

www.physiolibrary.org

Physiolibrary Structure

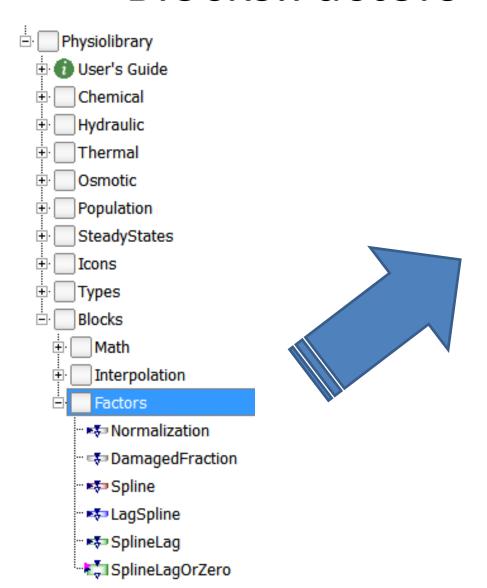


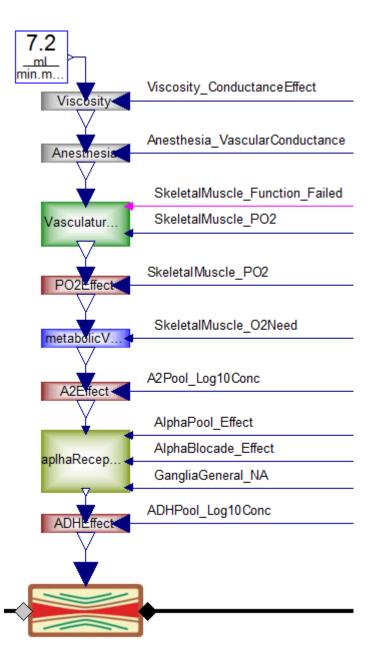
Icons

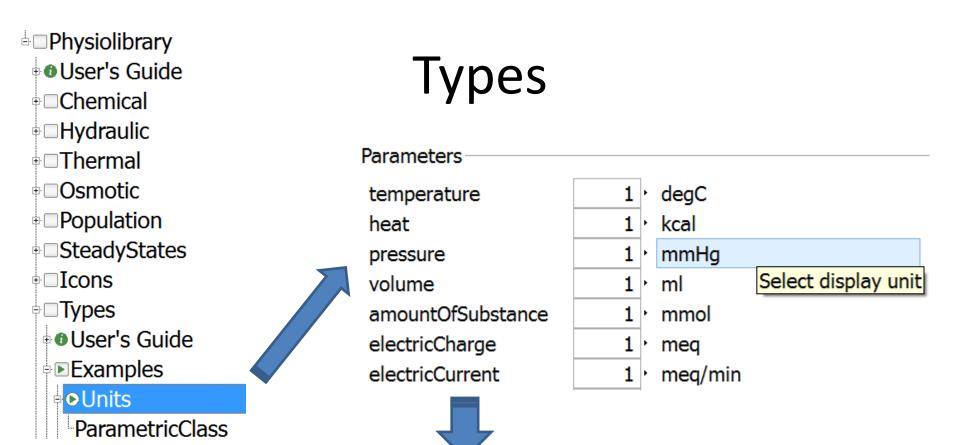




Blocks.Factors

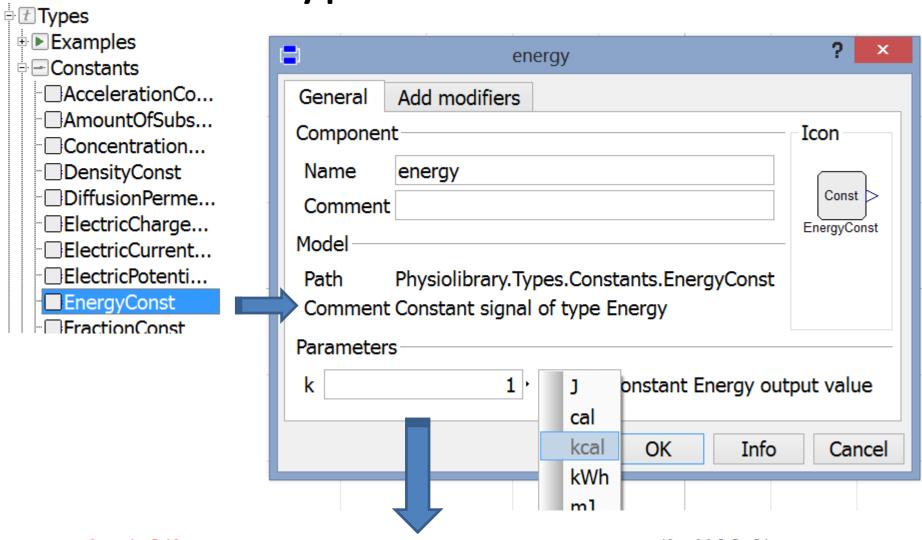






```
model Units
ParametricClass parametricClass(
  temperature(displayUnit="degC") = 274.15,
  heat(displayUnit="kcal") = 4186.8,
  pressure(displayUnit="mmHg") = 133.322387415,
  volume(displayUnit="ml") = 1e-06,
  amountOfSubstance(displayUnit="mmol") = 0.001,
  electricCharge(displayUnit="meq") = 96.4853399,
  electricCurrent(displayUnit="meq/min") = 1.6080889983333,
```

Types.Constants



Physiolibrary.Types.Constants.EnergyConst energy(k=4186.8)

Connectors



molar concentration, molar flow



pressure, volumetric flow

ThermalPort

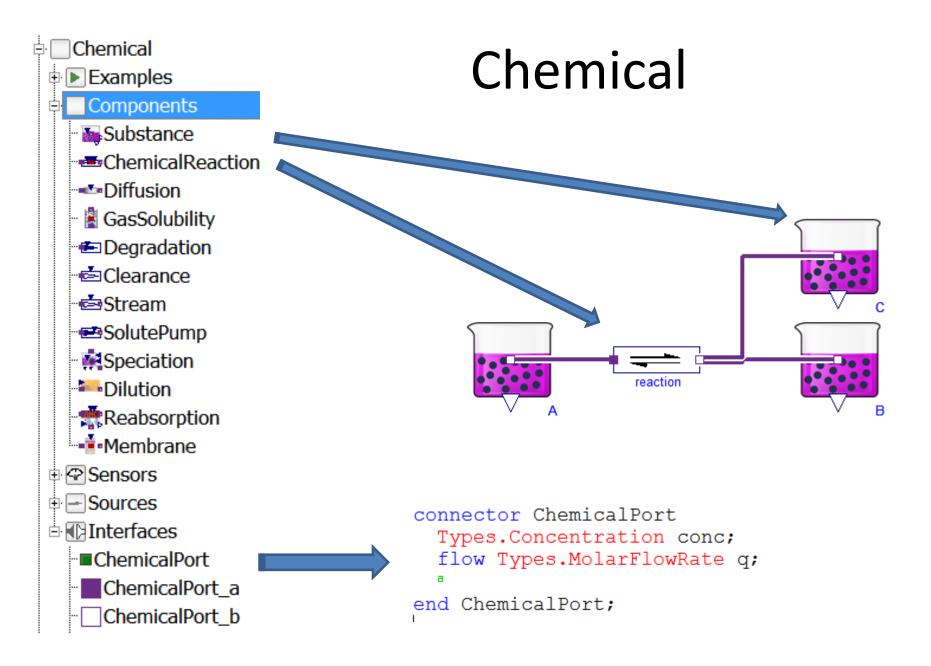
temperature, heat flow

OsmoticPort

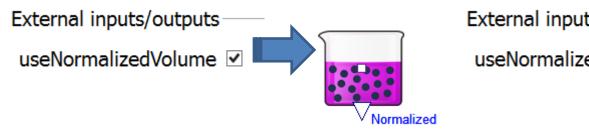
osmolarity, osmotic volumetric flow

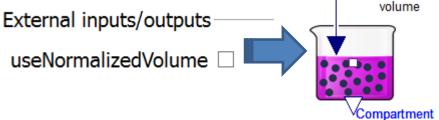
PopulationPort

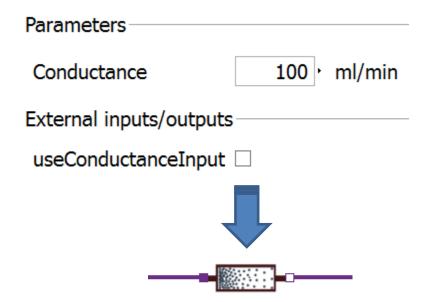
size of population, change of population

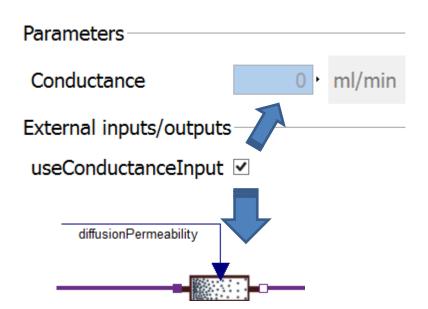


CONDITIONAL INPUTS



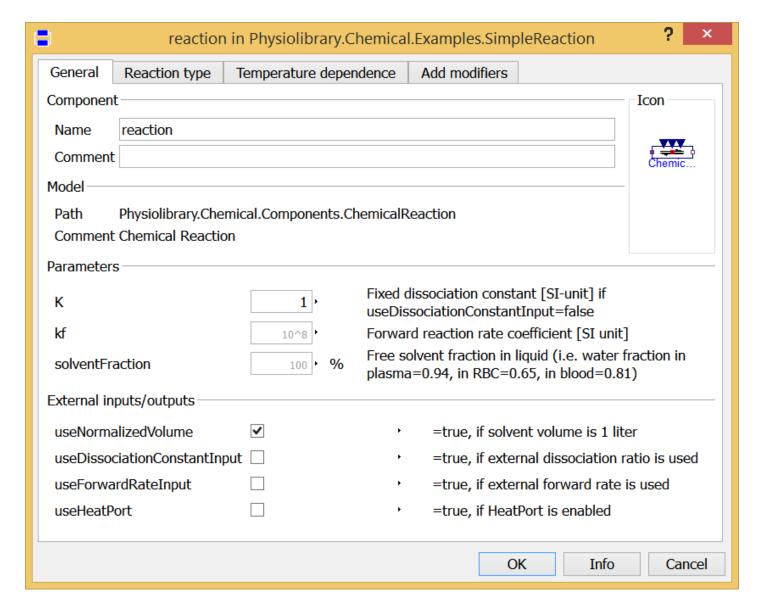






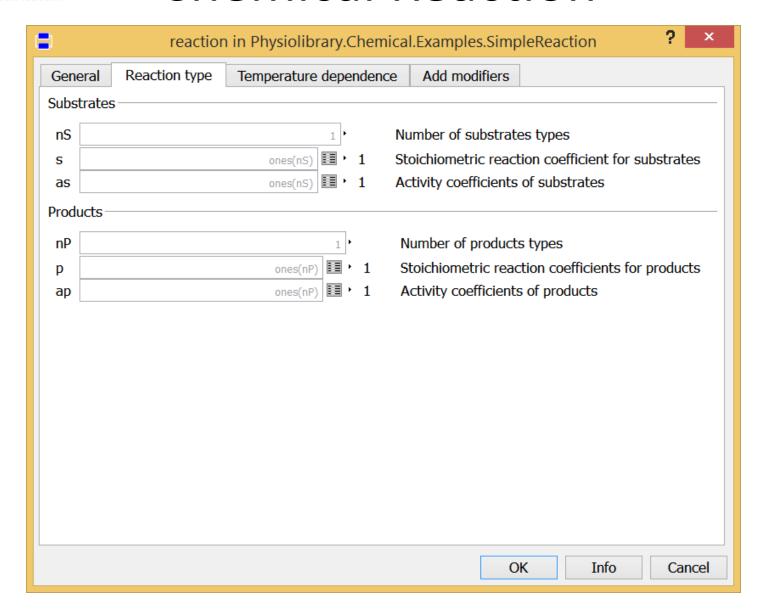


Chemical Reaction



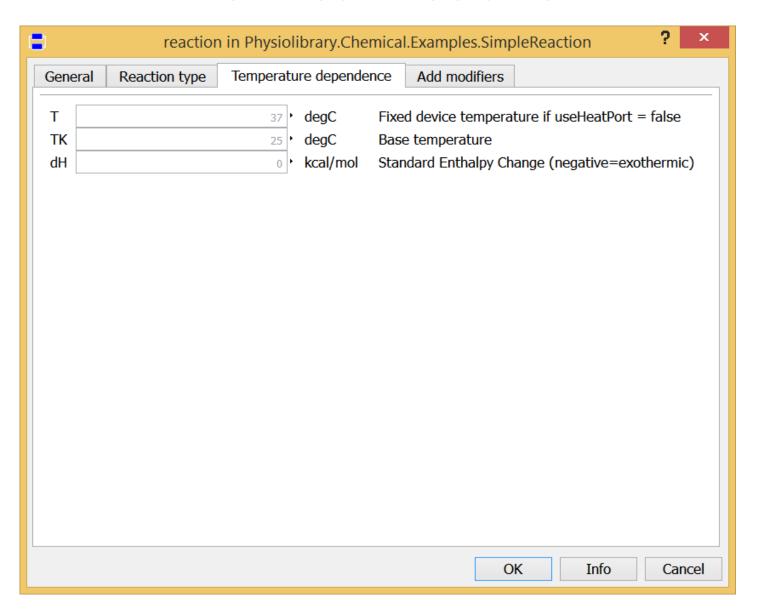


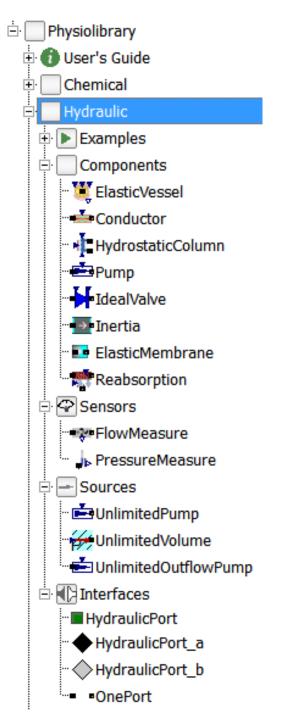
Chemical Reaction



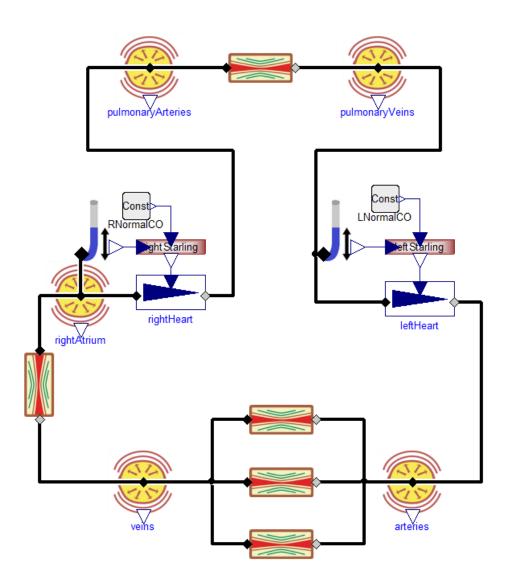


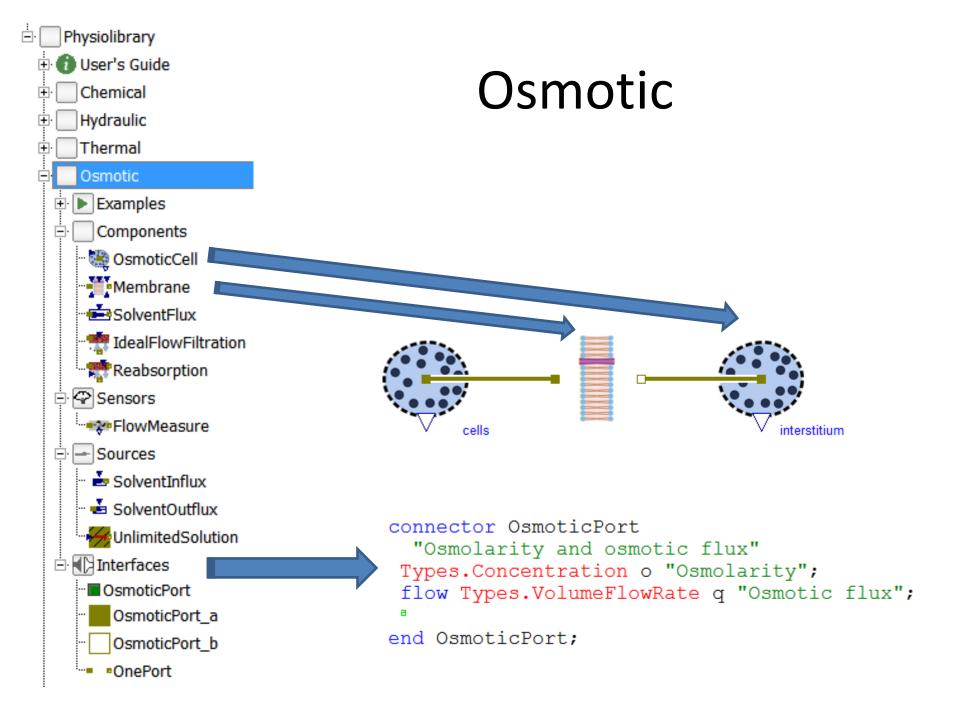
Chemical Reaction

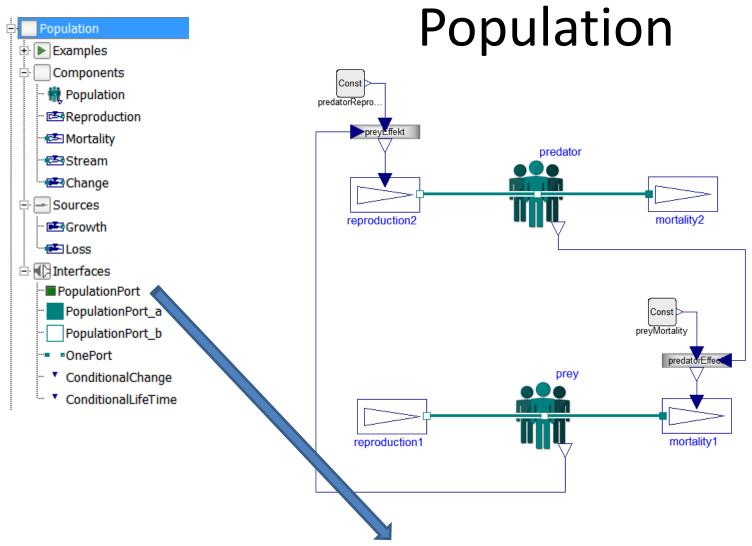




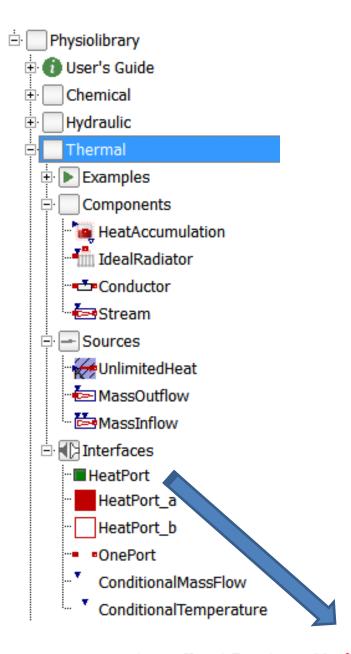
Hydraulic



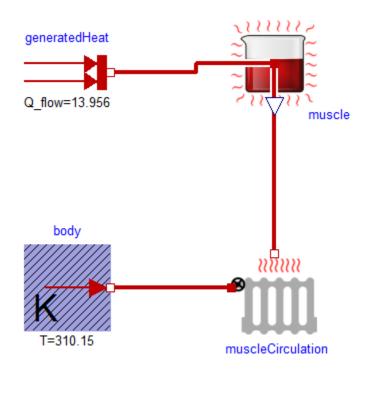




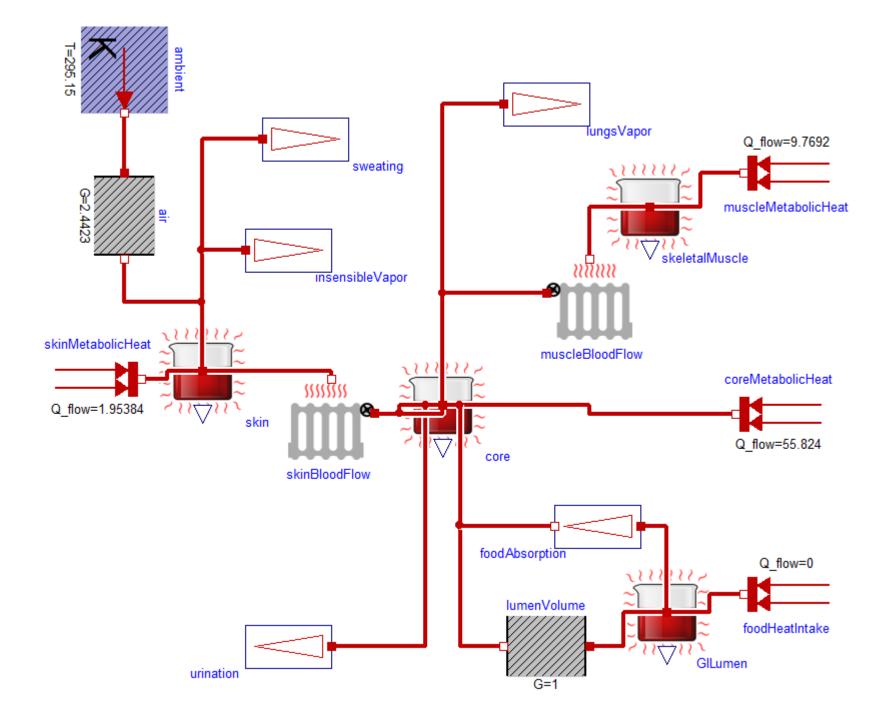
```
connector PopulationPort "Average number of population members and their change"
   Types.Population population "Average number of population individuals";
   flow Types.PopulationChange change "Average population change = change of population individuals";
   a
end PopulationPort;
```



Thermal



connector HeatPort = Modelica.Thermal.HeatTransfer.Interfaces.HeatPort



Thank you for your attention!